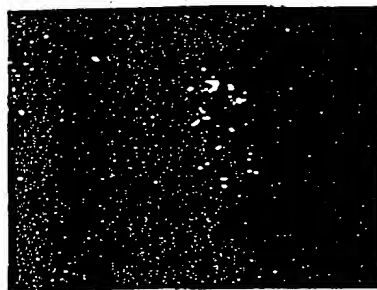


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A. E16



B. P60

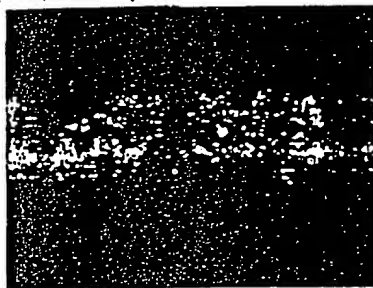
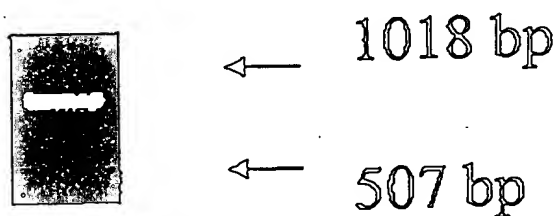


Fig. 1

Figure 2

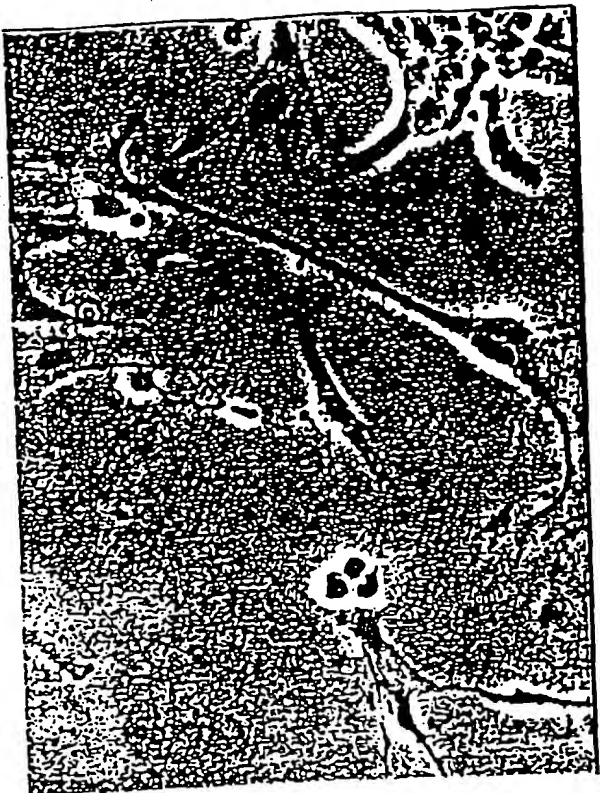
Nestin RT-PCR of 50 rat islets



Amplification of a single band of the correct size of 834 bp. In between the forward [GCGGGGCGGTGCGTGACTAC] and reverse primer [GGGTGGTGAGGGTTGAGGTTTGTG] are 3 introns located.

Figure 3

Nestin positive cells proliferate around islets in vitro



Phase contrast image of cells
surrounding cultured islets (200x)

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Figure 4

Development of islet-like structures in vitro



100x



200x

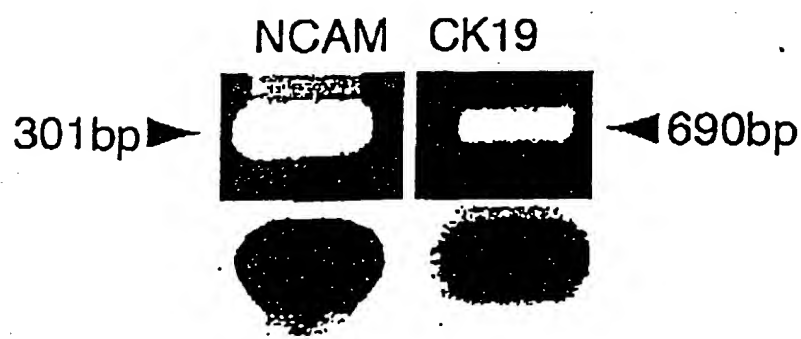


Fig. 5

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Figure 6

Induction of nestin mRNA expression by high glucose in pancreatic islets

RT-PCR of 50 rat islets incubated for 4 days at 5.6 mM or 16.7 mM glucose

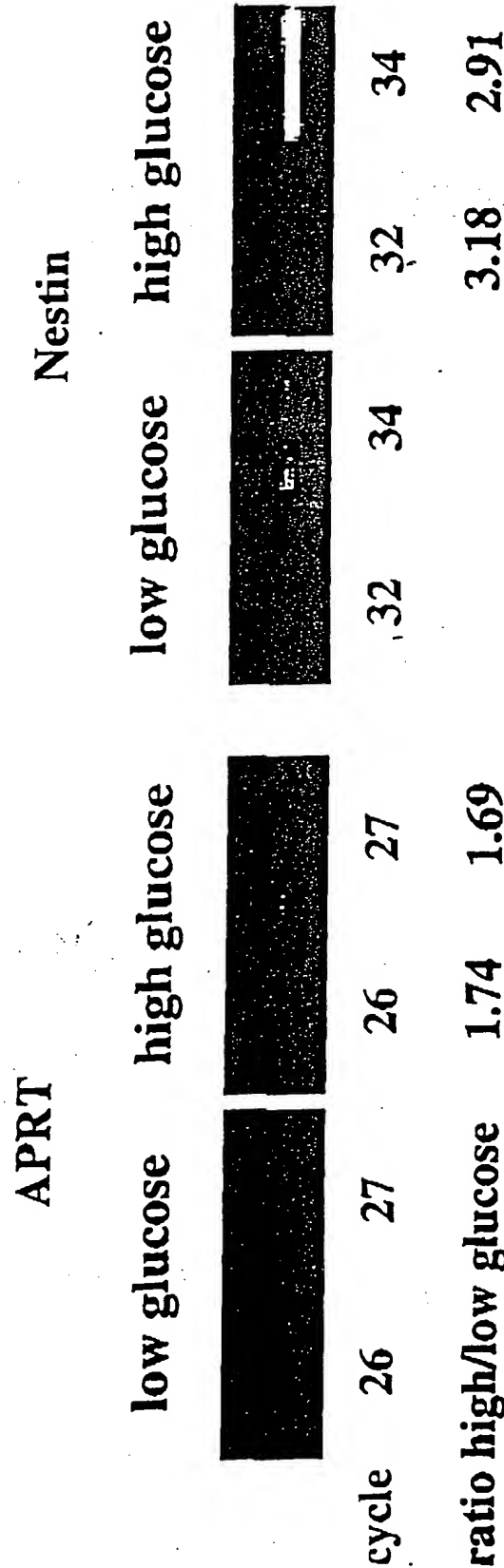


Figure 7 (v)

Nestin Amino Acid Sequence:

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Nestin Nucleotide Sequence:

BASE COUNT 1238 a 1176 c 1676 g 764 t ORIGIN 1

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Figure 7 (continued) (2)

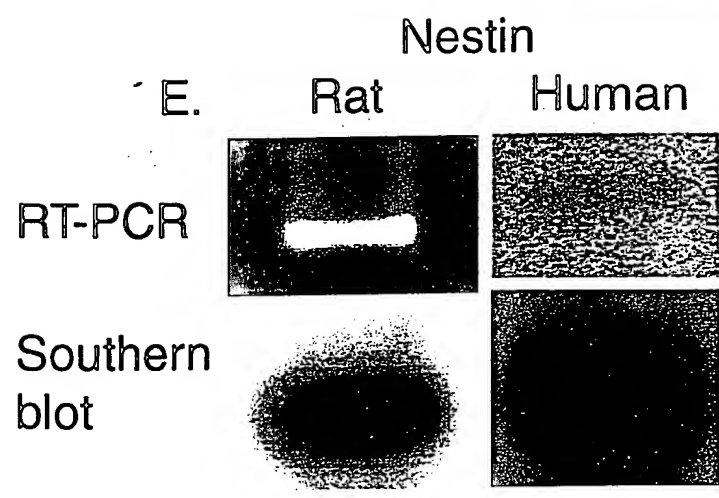
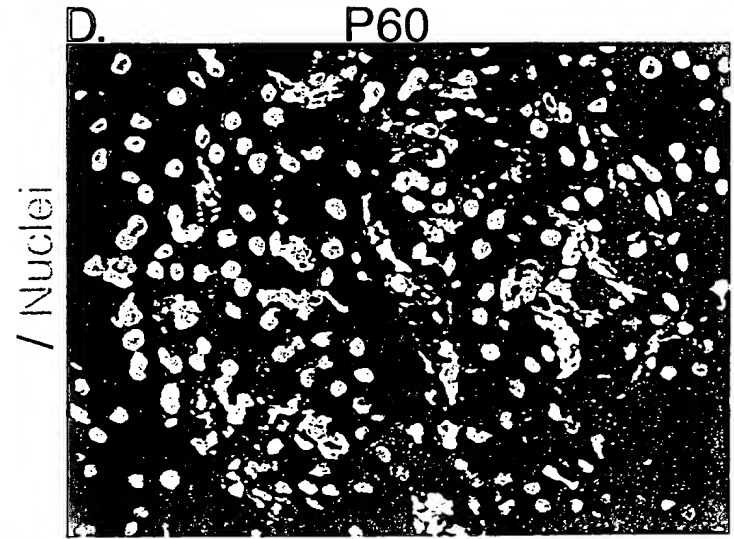
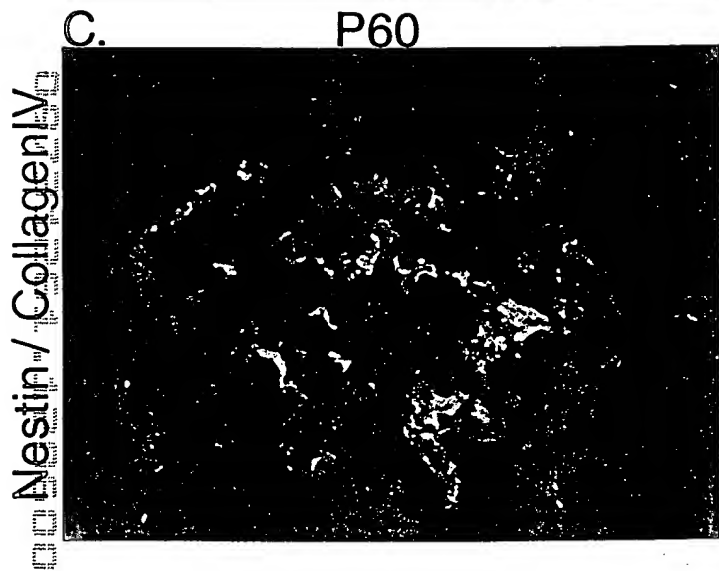
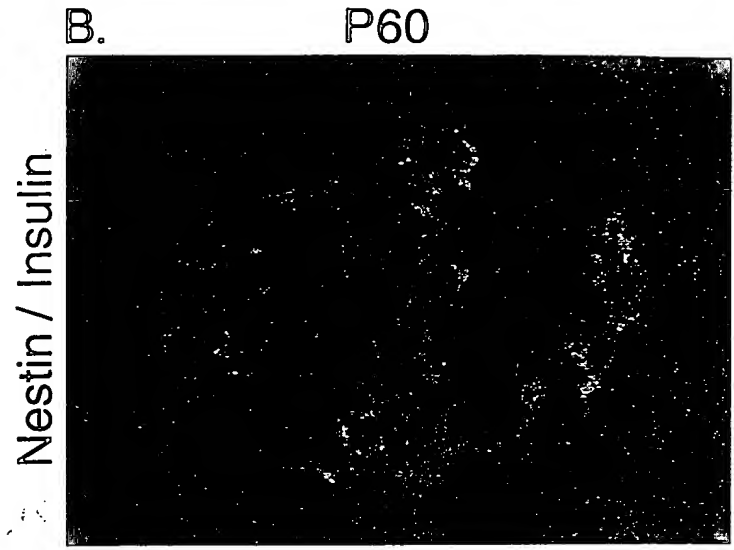
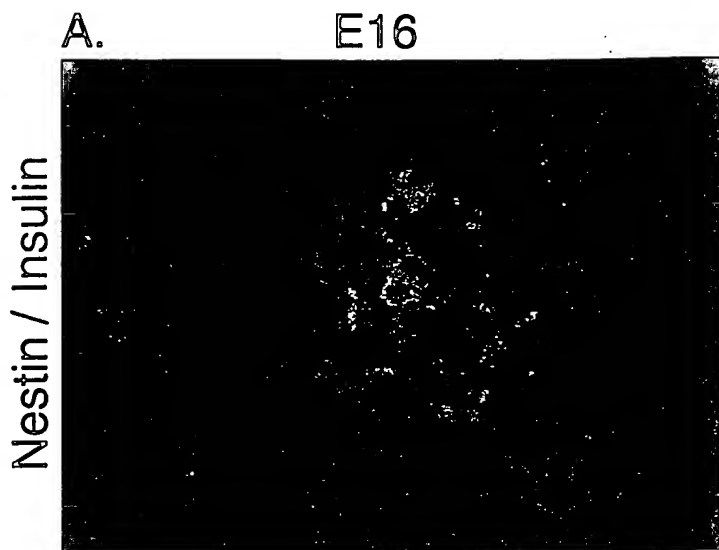
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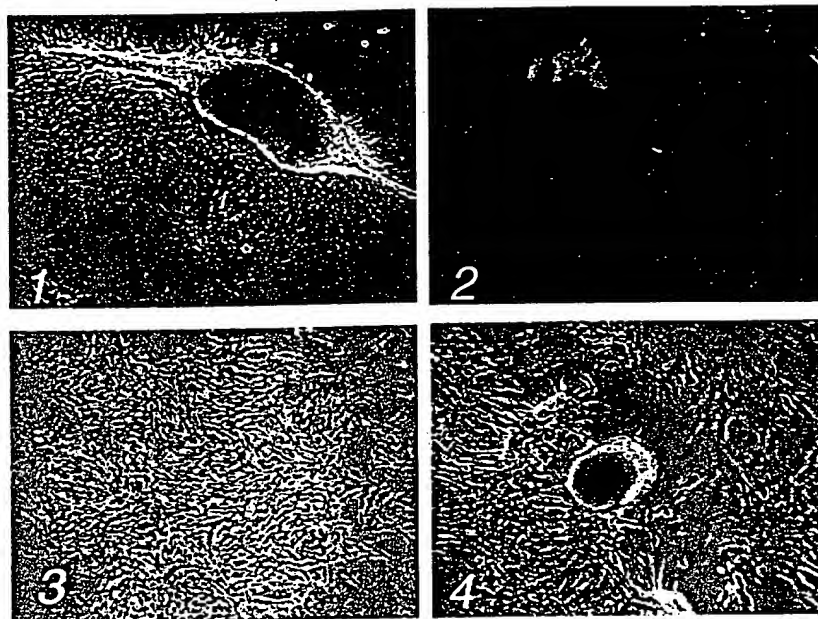
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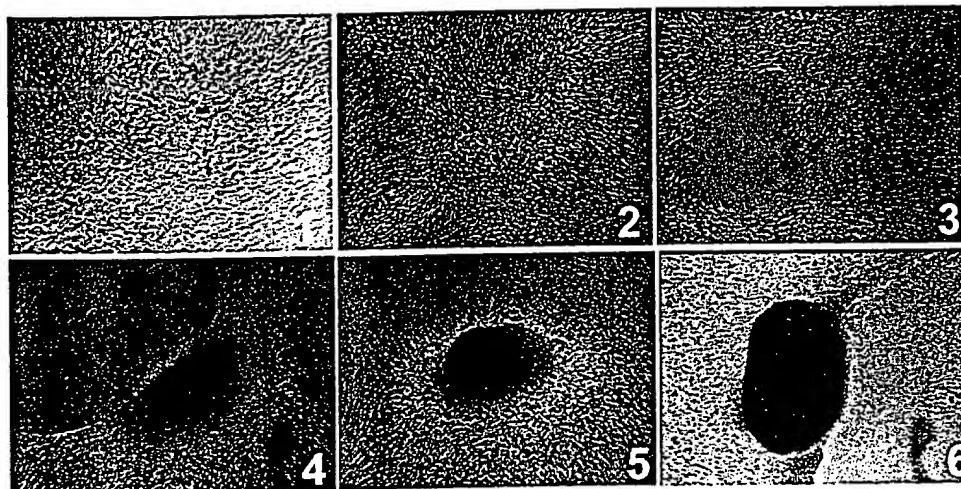
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A









B

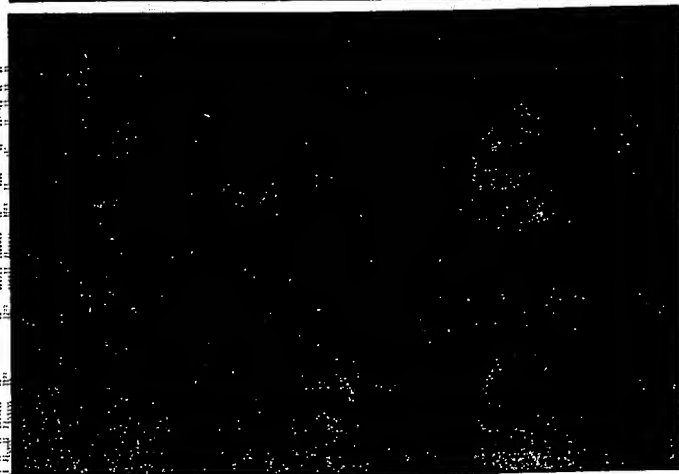
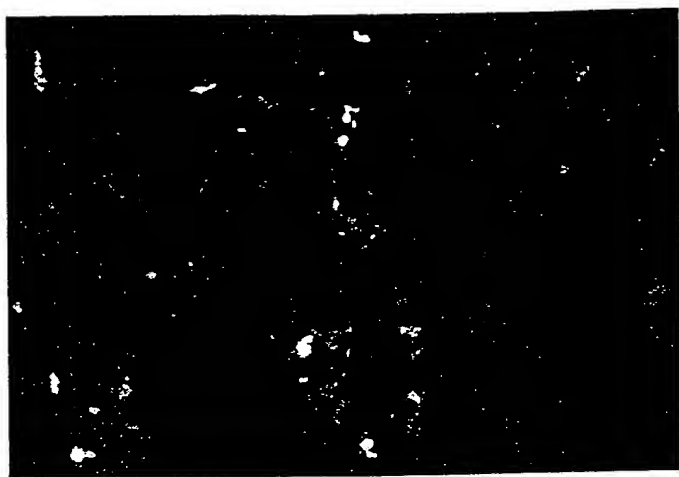


C

C

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	Rat	Human	Rat
RT-PCR			
Southern Blot			

A



C

NIPC
(human) INS1

Western
Blot-IDX



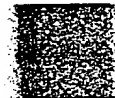
Pre-immune



B

IDX
Rat

RT-PCR



Southern
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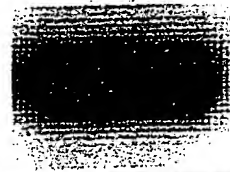
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Proglucagon

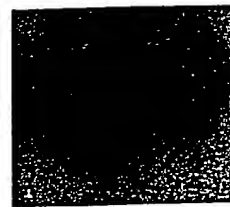
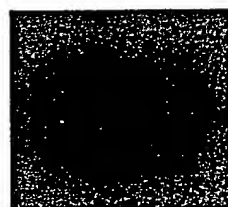
ILCs

Islets

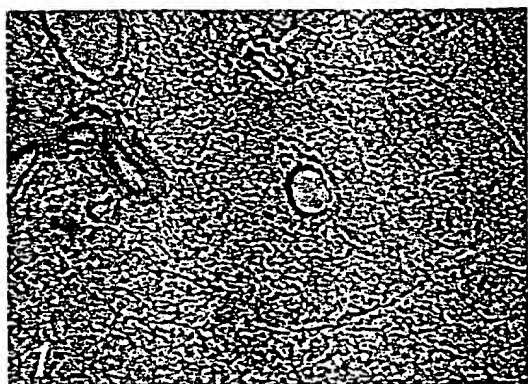
RT-PCR



Southern
Blot



A



CK19 / Nestin

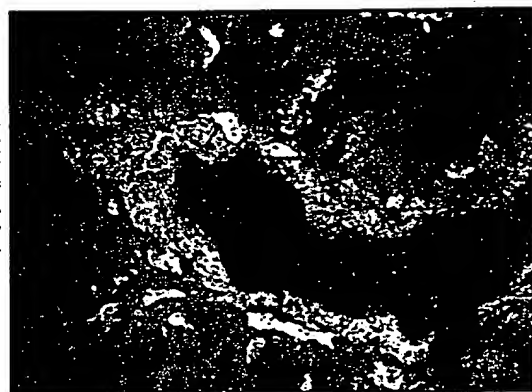
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CK19 / Nestin

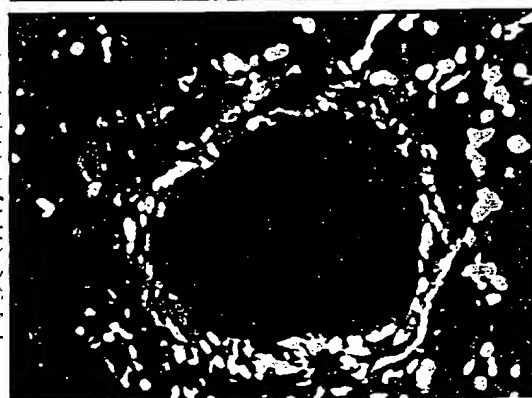


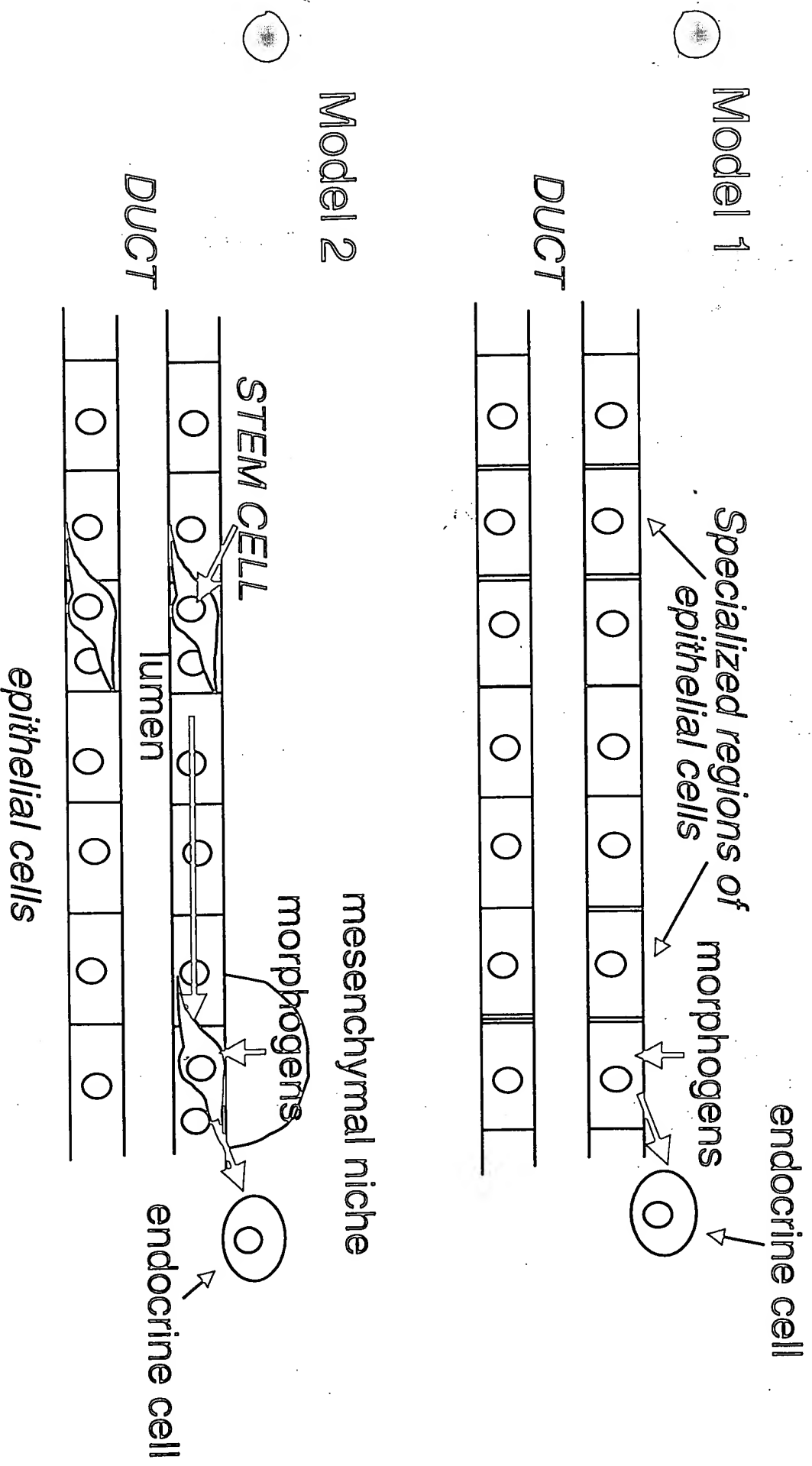
C

Nestin



Nestin / CK19





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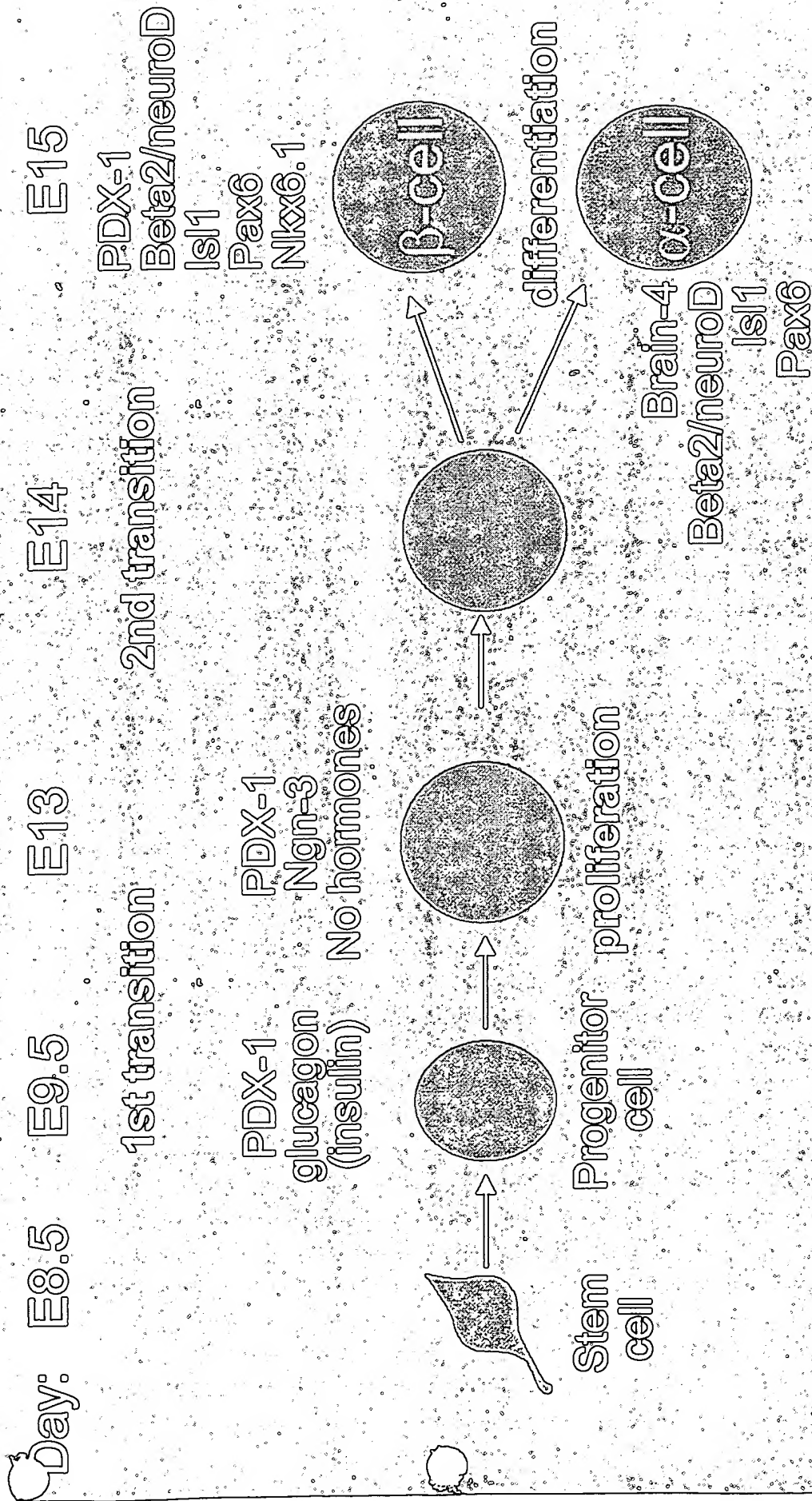
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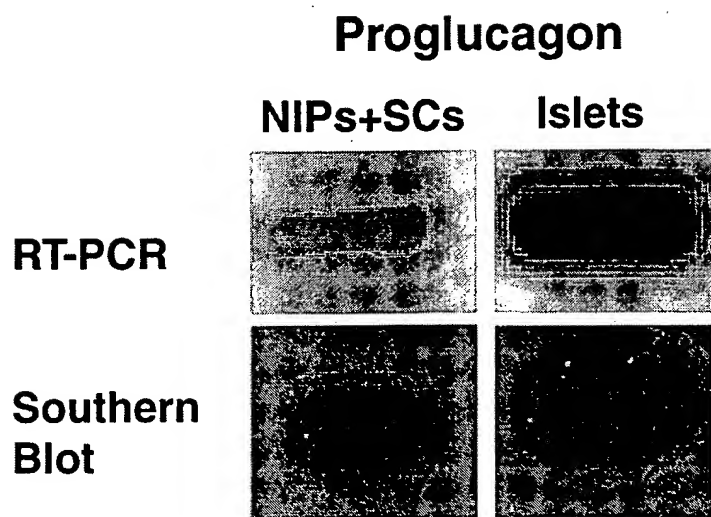
Fig 13A

Fig 13 B

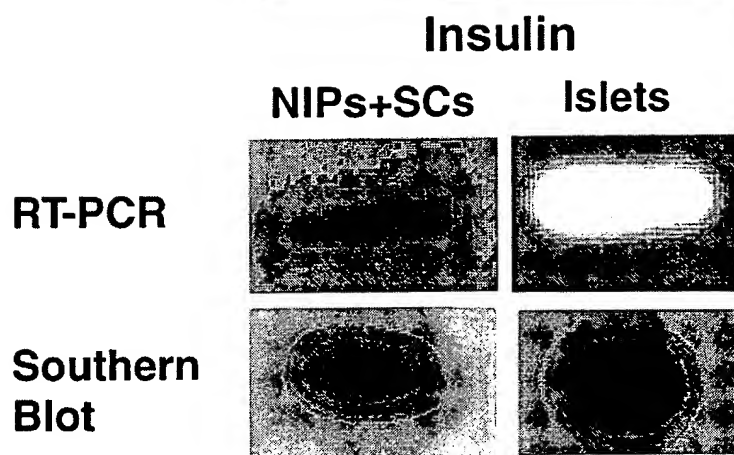
Sequential appearance of transcription factors during development of the endocrine pancreas (mouse)



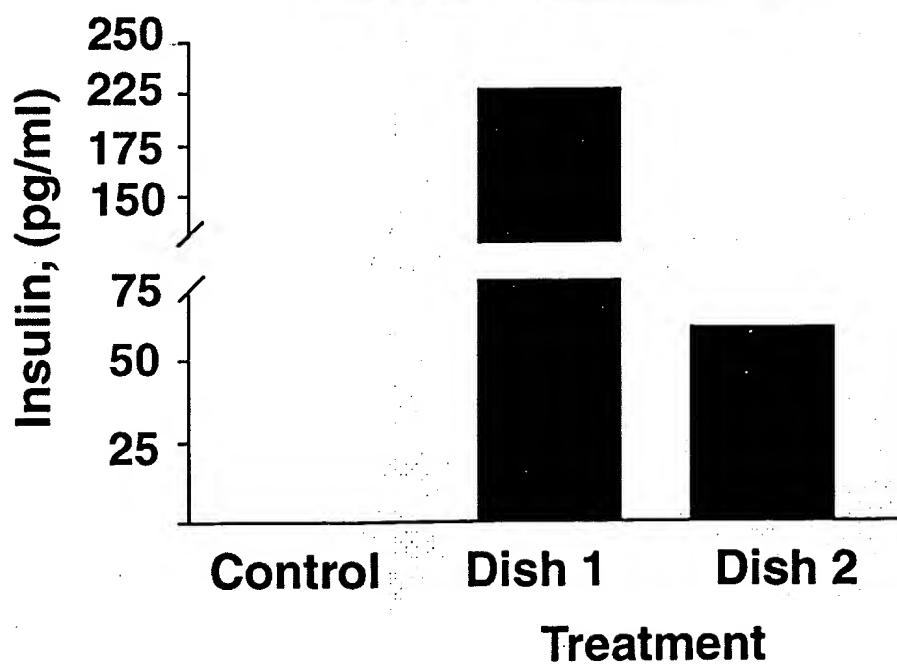
A



B



C



**NEURO-
ENDOCRINE**

EXOCRINE

HEPATIC

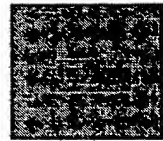
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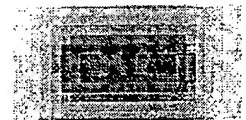
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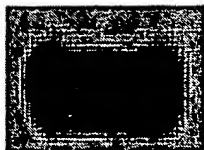
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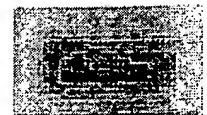
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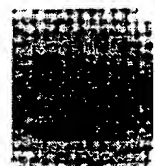
E-CAD



XBP



AFP



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